

Claims

- 5 1. A building set comprising building elements with coupling means for interconnecting building elements, **characterised in** that the building set comprises a vibrator building element with a device for generating vibrations, and coupling means for interconnection with the remaining building elements of the building set; wherein the coupling means constitute the sole interface for outputting generated vibrations.
- 10 2. A building set according to claim 1, **characterised in** that the building set comprises a sensor building element with
 - a vibration sensor configured for emitting signals representing sensed vibrations; and
 - coupling means for interconnection with remaining building
- 15 elements of the building set.
3. A building set according to claim 2, **characterised in** that the vibration sensor of the sensor building element is configured for emitting a signal that represents vibration rate.
- 20 4. A building set according to claim 2, **characterised in** that the vibration sensor of the sensor building element is configured for emitting a signal that represents the vibration acceleration.
- 25 5. A building set according to claim 2, **characterised in** that the building set comprises an instrument for recording the signals representing vibrations from the vibration sensor.
- 30 6. A building set according to claims 1-5, **characterised in** that the coupling means of the vibrator building elements are the only means

of the vibrator building element that are configured for transmitting mechanical energy from the vibrator building element.

- 5 7. A building set according to claims 1-6, **characterised in** that the device of the vibrator building element for generating vibrations comprises a motor with a rotatable shaft and an eccentric mass on the shaft.
- 10 8. A building set according to claims 1-7, **characterised in** that the device of the vibrator building element for generating vibrations comprises a magnetisable mass and an electric solenoid for cooperating magnetically with the magnetisable mass.
- 15 9. A building set according to claims 1-8, **characterised in** that the building set comprises a building element with two mutually movable parts that each separately has coupling means for interconnection with the remaining building elements of the building set; and that are connected to each other by means of a flexible element.
- 20 10. A building set according to claims 1-9, **characterised in** that the building set comprises a building element with coupling means for interconnection with the remaining parts of the building set, and having bristles on an outer surface of the building element, wherein the bristles face essentially in the same direction that forms an angle
- 25 different from zero degrees to the normal to the surface.
- 30 11. A vibrator building element for a building set according to claims 1-10, **characterised in** that the vibrator building element has a device for generating vibrations and coupling means for interconnection with the remaining building elements of the building set; wherein said coupling means are the only interface for outputting generated vibrations.

12. A vibrator building element according to claim 11, **characterised in**
that the coupling means of the vibrator building element are the only
means of the vibrator building elements that are configured for
transmitting mechanical energy from the vibrator building element.

13. A vibrator building element according to claims 11-12, **characterised in**
that the device of the vibrator building element for generating
vibrations comprises a motor with a rotatable shaft and an eccentric
mass on the shaft.

14. A vibrator building element according to claims 11-12, **characterised in**
that the device of the vibrator building element for generating
vibrations comprises a magnetisable mass and an electric solenoid for
cooperating magnetically with the magnetisable mass.

15. A sensor building element for a building set according to claims 1-10,
characterised in that the sensor building element has

- a vibration sensor configured for emitting signals representing vibrations; and
- coupling means for interconnection with the remaining building elements of the building set.

16. A sensor building element according to claim 15, **characterised in**
that the vibration sensor of the sensor building element is configured
for emitting a signal that represents the vibration rate.

17. A sensor building element according to claim 15, **characterised in**
that the vibration sensor of the sensor building element is configured
for emitting a signal that represents the vibration acceleration.